



PTO/SB/21 (04-04)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/695,276
Filing Date	October 28, 2003
First Named Inventor	Sezgin et al.
Art Unit	2661
Examiner Name	Andrew W. Wahba
Total Number of Pages in This Submission	Attorney Docket Number I-2-0139.4US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
	<input type="checkbox"/> Terminal Disclaimer	
	<input type="checkbox"/> Request for Refund	
	<input type="checkbox"/> CD, Number of CD(s) _____	
Remarks		
Form PTO-1449 w/ a copy of the Australian Patent Office Search Report and one (1) reference		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jeffrey M. Glabicki	Reg. No. 42,584
Signature		
Date	July 13, 2005	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Jeffrey M. Glabicki		
Signature		Date	July 13, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUL 15 2005

~~ATTEN & TRADEMA~~
Effective on 10/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)
180.00**Complete if Known**

Application Number	10/695,276
Filing Date	October 28, 2003
First Named Inventor	Sezgin et al.
Examiner Name	Andrew W. Wahba
Art Unit	2661
Attorney Docket No.	I-2-0139.4US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: **09-0435** Deposit Account Name: InterDigital Communications Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEESFee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>
-----------------	------------------------------

50 25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200 100

Multiple dependent claims

360 180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
-	=	x	= 0.00			
HP = highest number of total claims paid for, if greater than 20						

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
-	=	x	= 0.00		

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	= 0.00	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement

Fees Paid (\$)

180.00

SUBMITTED BY

Signature		Registration No. 42,584 (Attorney/Agent)	Telephone 215-568-6400
Name (Print/Type)	Jeffrey M. Glabicki		Date July 13, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Sezgin et al.

Application No.: 10/695,276

Confirmation No.: 2661

Filed: October 28, 2003

For: SYNCHRONIZATION SIGNAL USED
TO IDENTIFY CODE GROUPS

Group: 2661

Examiner: Andrew W. Wahba

Our File: I-2-0139.4US

Date: July 13, 2005

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. The newly cited document is indicated by an asterisk (*). A copy of the newly cited document is enclosed.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed,

Applicant: Sezgin et al.
Application No.: 10/695,276

and that this communication was not received by any individual designated in §1.56(c) more than three (3) months prior to the filing of the information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

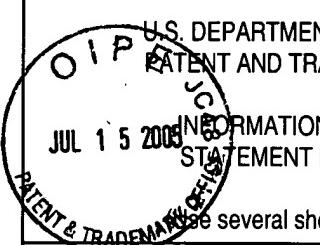
Respectfully submitted,

Sezgin et al.

By 
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(215) 568-6400

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Philadelphia, PA 19103

JMG/ks
Enclosures (3)

FORM PTO-1449		ATTY. DOCKET NO. I-2-0139.4US	SERIAL NO. 10/695,276
 <small>PATENT & TRADEMARK OFFICE</small>		APPLICANT Sezgin et al.	
		FILING DATE October 28, 2003	GROUP 2661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,559,789	09/1996	Nakamo et al.			
	5,715,521	02/1998	Fukasawa et al.			
	6,185,284	02/2001	Goodman et al.			
	6,246,673	06/2001	Tiedemann, Jr. et al.			
	6,363,060	03/2002	Sarkar et al.			
	6,526,091	02/2003	Nystrom et al.			
	6,173,006	01/2001	Kent et al.			
	6,317,413	11/2001	Honkasalo			
	6,473,395	10/2002	Lee			
	6,665,277	12/2003	Sriram			
	6,741,578	05/2004	Moon et al.			
	6,865,177	03/2005	Park et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	99/012273	03/1999	WO				
*	99/012295	03/1999	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		TSG-RAN Working Group 1 (Radio) Meeting #3, "A New Hierarchical Correlation Sequence with Good Properties in Presence of a Frequency Error", Eskilstuna, Sweden, March 22-26, 1999.
		Nadir Sezgin and Fatih Ozlukturk, "BPSK Modulated Secondary Synchronization Codes for Cell Search in UTRA TDD", May 28, 2000
		TSG-RAN Working Group 1 Meeting #2, "Synchronization Channel with Cyclic Hierarchical Sequences", Yokohama, Japan, February 22-25, 1999

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. I-2-0139.4US	SERIAL NO. 10/695,276
		APPLICANT Sezgin et al.	
		FILING DATE October 28, 2003	GROUP 2661
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		ETSI SMG2 UMTS, Physical Layer Expert Group Meeting #2, "Comma Free Codes for Fast PN Code Acquisition in WCDMA Systems: A Proposal for the UTRA Concept", Paris, France, April 28, 1998	
		InterDigital Communications Corporation, "QPSK Modulated Secondary Synchronization Codes (SSC) Algorithm", August 9, 1999.	
		3GPP TSG-RAN Working Group 1 Meeting #4, "Calculation of t_{offset} for Physical Synchronization Channel in TDD Mode", Shin Yokohama, April 18-20, 1999	
		TSG-RAN Working Group 1 Meeting #5, "BPSK Modulated Secondary Synchronization Codes Based Cell Search in UTRA TDD", Cheju, South Korea, June 1-4, 1999	
		European Telecommunications Standards Institute, "Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept Evaluation", (UMTS 30.06 version 3.0.0), (1997)	
		K. Higuchi, M. Sawahashi and F. Adachi, "Fast Cell Search Algorithm in DS-CDMA Mobile Radio Using Long Spreading Codes", (1997), pp. 1430-1434	

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.